

Amendments to the Specification:

Rewrite the paragraph at page 12, line 5 as follows:

b1

Other support circuitry is also provided within wireless unit UE_j as shown in Figure 2. In this example, microcontroller 36 handles the control of wireless unit UE_j other than the data path. Such control functions include resource management, operating system control, and control of the human interface; in this regard, microcontroller 36 operates with such functions as flash memory 33 (for storage of the operating system and user preferences), SIM card 35 (for add-on functionality), keypad 37, and user display 38. In addition, wireless unit UE_j also includes battery interface and power control subsystem 31, as shown in Figure 1 2, for monitoring the status of the battery for wireless unit UE_j , and implementing power saving functions such as sleep modes, and the like.

Rewrite the paragraph at page 20, line 22 as follows:

b2

Base station 10 receives the transmitted preamble in process 86. The received signal corresponding to this preamble is amplified, converted from analog to digital, filtered, and the like, by circuitry such as amplifiers 42, RF interface 44, and baseband interface 46 45 of base station 10 for the exemplary architecture of Figure 2 3. The resulting digital signal is then descrambled, demodulated, and de-spread by chip-rate demodulate and despread function 48 of base station 10, to recover the particular Walsh Hadamard code symbol h_m that was selected and transmitted by wireless unit UE .